

## ABSTRACT

The present invention provides antigen vaccines and methods of use thereof for the treatment of *Pythium insidiosum* infections, as well as prophylaxis against these infections, in humans and mammals. Further, the present invention provides a method for preparing the preferred vaccine for the treatment which contains the intracellular and extracellular antigens of *Pythium insidiosum*. The present invention further provides a mammal model for evaluating *Pythium insidiosum* vaccines and a method for monitoring the Th1 and Th2 response of a mammal in response to *Pythium insidiosum* vaccines.